

Product datasheet for **RG233903**

NSFL1C (NM_001206736) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSFL1C (NM_001206736) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NSFL1C
Synonyms:	dj776F14.1; P47; UBX1; UBXD10; UBXN2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233903 representing NM_001206736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGAGCGACAGGAGGCGCTGAGGGAGTTCGTGGCGGTGACGGGCGCCGAGGAGGACCGGGCCC
GCTTCTTTCTCGAGTCGGCCGGCTGGGACTTGCAGATCGCGCTAGCGAGCTTTTATGAGGACGGAGGGGA
TGAAGACATTGTGACATTTTCGAGGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCCCCAGTGATAAT
AGAGTGACATCCTTCAGAGACCTCATTGATGACCAAGATGAAGATGAGGAGGAAGAGGAAGGCCAGAGGA
GCAGGTTTTATGCTGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGCCCTCCAGGAAGAAAAGTCC
CAACGAGCTGGTGGATGATCTCTTTAAAGGTGCCAAAGAGCATGGAGCTGTAGCTGTGGAGCGAGTGACC
AAGAGCCCTGGAGAGACCAGTAAACCGAGACATTTGCAGGAGGTGGCTACCGCCTTGGGGCAGCACCAAG
AGGAAGAGTCTGCCTATGTGGCAGGAGAAAAGAGGCAGCATTCCAGCCAAGATGTTTCATGTAGTATTGAA
ACTCTGGAAGAGTGGATTGAGCCTGGATAATGGAGAACTCAGAAGCTACCAAGACCCATCCAATGCCAG
TTTCTGGAGTCTATCCGAGAGGGGAGGTGCCAGCAGAGCTTCGGAGGCTAGCTCACGGTGGACAGGTGA
ACTTGGATATGGAGGACCATCGGGACGAGGACTTTGTGAAGCCAAAGGAGCCTTCAAAGCCTTCACTGG
CGAGGGTCAGAACTGGGCAGCACTGCCCCCAAGTGTGAGTACCAGCTCTCCAGCCAAACAGGCAGAA
AATGAAGCCAAAGCCAGCTTTCCATCTTAATCGACGAATCAGAGCCTACCACAAACATCCAATTCGGC
TTGCAGACGGCGGAGGCTGGTGCAGAAATTTAACACAGCCACAGGATCAGCGACATCCGACTTTCAT
CGTGGATGCCCGCCAGCCATGGCTGCCACCAGCTTTATCCTCATGACTACTTTCCCGAACAAAGAGCTG
GCTGATGAGAGCCAGACCCTGAAGGAAGCCAACCTGCTCAATGCTGTCATCGTGCAGCGTTAACA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233903 representing NM_001206736
 Red=Cloning site Green=Tags(s)

MAAERQEALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGDEDIVTISQATPSSVSRGTAPSDN
 RVTSFRDLIHDQDEDEEEEEQQRSRFYAGGSERSGQQIVGPPRKKSPNELVDDLFGAKEHGAVAVERT
 KSPGETSKPRPFAGGGYRLGAAPEEESAYVAGEKQHSQDVHVVLKLVKSGFSLDNGELRSYQDPSNAQ
 FLESIRRGEVPAELRRLAHGGQVNLDMEDHRDEDFVKPKGAFKFTGEGQKLGSTAPQVLSTSSPAQQA
 NEAKASSILIDESEPTTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDARPAMAATSFILMTTFPNKEL
 ADESQTLKEANLLNAVIVQRLT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001206736

ORF Size: 1116 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001206736.1](#), [NP_001193665.1](#)

RefSeq Size: 3574 bp

RefSeq ORF: 1119 bp

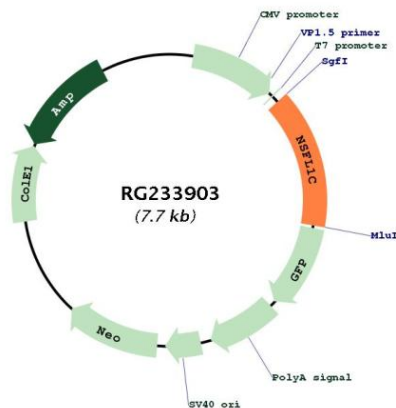
Locus ID: 55968

UniProt ID: [Q9UNZ2](#)

Cytogenetics: 20p13

Gene Summary: N-ethylmaleimide-sensitive factor (NSF) and valosin-containing protein (p97) are two ATPases known to be involved in transport vesicle/target membrane fusion and fusions between membrane compartments. A trimer of the protein encoded by this gene binds a hexamer of cytosolic p97 and is required for p97-mediated regrowth of Golgi cisternae from mitotic Golgi fragments. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8. [provided by RefSeq, May 2011]

Product images:



Circular map for RG233903